

Having thus described the invention, what is claimed is:

1. A binder composition for glass fibers comprising:
a pre-binder composition including a polycarboxy polymer and a crosslinking agent; and
a co-binder selected from the group consisting of a dextrin, a modified dextrin, maltodextrin and mixtures thereof.
2. The binder composition according to claim 1, wherein said pre-binder composition further includes a catalyst.
3. The binder composition according to claim 2, wherein said catalyst is selected from the group consisting of an alkali salt of a phosphorus containing organic acid, a fluoroborate compound and mixtures thereof.
4. The binder composition of claim 1, wherein said crosslinking agent is a polyol containing two or more hydroxyl groups.
5. The binder composition of claim 4, wherein said crosslinking agent is selected from the group consisting of triethanolamine and glycerol.

6. The binder composition of claim 1, wherein said binder composition has a pre-binder composition:co-binder ratio of from 90:10 to 25:75.
7. The binder composition of claim 1, wherein said modified dextrin is selected from the group consisting of borax modified dextrans and borax-alkali modified dextrans.
8. A glass fiber mat comprising:
 - a plurality of randomly oriented glass fibers; and
 - a binder composition applied to at least a portion of said glass fibers, said binder composition including:
 - a pre-binder composition, said pre-binder composition having a polycarboxy polymer and a crosslinking agent; and
 - a co-binder selected from the group consisting of a dextrin, a modified dextrin, maltodextrin and mixtures thereof.
9. The glass fiber mat according to claim 8, wherein said binder composition further comprises a first binder.
10. The glass fiber mat according to claim 9, wherein said first binder is a polyvinyl alcohol.

11. The glass fiber mat according to claim 8, wherein said pre-binder composition further comprises a catalyst.
12. The glass fiber mat according to claim 8, wherein said binder composition has a pre-binder composition:co-binder ratio of from 90:10 to 25:75.
13. The glass fiber mat according to claim 8, wherein said modified dextrin is selected from the group consisting of borax modified dextrans and borax-alkali modified dextrans.
14. The glass fiber mat according to claim 8, wherein said glass mat is incorporated into a fiberglass product.
15. A method of preparing a dextrin co-binder composition for glass fibers comprising:
 - forming a pre-binder composition, said pre-binder composition including a polycarboxy polymer and a crosslinking agent; and
 - adding a co-binder selected from the group consisting of a dextrin, a modified dextrin, maltodextrin and mixtures thereof to said pre-binder composition to form said dextrin co-binder composition.

16. The method of claim 15, wherein said forming step comprises the steps of:
admixing said polycarboxylic polymer and said crosslinking agent to form a mixture; and
adding water to said mixture in an amount sufficient to dilute said mixture to a viscosity suitable for application to glass fibers.

17. The method of claim 16, wherein said pre-binder composition further includes a catalyst, said catalyst being admixed with said polycarboxy polymer and said crosslinking agent to form said mixture.

18. The method of claim 17, further comprising the step of:
pre-dissolving said catalyst prior to said admixing step.

19. The method of claim 15, wherein said co-binder is added to said pre-binder composition in an amount of from 10% to 75% of said co-binder composition.

20. The method of claim 15, further comprising the step of:
pre-dissolving said co-binder prior to said adding step.